



# The Complete Guide to Indoor Mapping for Healthcare

Improving Patient Experience & Venue Management





## Table of Contents

Executive summary	2
Why hospital maps matter	3
Indoor mapping in hospitals: The complete solution	4
Healthcare mapping for patient experience	5
Healthcare mapping for venue management	6
Get started with Mappedin	10

# Executive summary

**Indoor mapping is no longer a nice-to-have—it's a foundational tool in modern healthcare environments.**

Mappedin enables healthcare systems to manage complex spaces, simplify navigation, and improve patient experiences, while empowering staff to work more efficiently. Whether you're overseeing a multi-building hospital or a network of clinics, Mappedin helps transform your physical spaces into intuitive, accessible environments.

## Key benefits of hospital maps

①

**Reduced patient stress and anxiety** through clear, interactive navigation

②

**Improved operational efficiency** with real-time data visualization

③

**Enhanced staff productivity** by streamlining workflows and minimizing time spent guiding visitors

④

**Scalable patient maps** that grow with a facility's needs

Hospital and healthcare facility mapping technology has evolved beyond simple static displays to become comprehensive digital platforms that serve both patient experience and venue management needs.

# Why hospital maps matter

Hospital maps are essential tools that address the unique navigation challenges faced in healthcare facilities. Modern mapping solutions recognize that hospitals are among the most complex indoor environments, presenting distinct obstacles for patients, visitors, and staff that traditional mapping solutions and signage cannot adequately address.

## Patient navigation challenges

- **Anxiety and stress** from getting lost in unfamiliar, often sprawling hospital complexes
- **Late arrivals** to critical appointments due to confusing layouts
- **Physical strain** from unnecessary walking and backtracking through hospital corridors
- **Accessibility concerns** for patients with mobility limitations navigating large multi-floor facilities
- **Language barriers** affecting comprehension of static hospital signage

## Why traditional hospital mapping falls short

Standard hospital maps and static signage systems cannot adapt to the dynamic nature of modern healthcare facilities. Patient maps must account for temporary closures, construction zones, and the ever-changing landscape of hospital departments and services.

## Operational challenges

- **Staff time spent** providing directions instead of patient care and higher priorities
- **Appointment delays** cascading through schedules
- **Inefficient space utilization** and resource allocation
- **Emergency response delays** due to unclear location information and directions
- **Visitor management** complexity in large medical facilities and campuses

## Financial impact

- **Lost revenue** from missed appointments and delays
- **Increased operational costs** from inefficient workflows
- **Reduced patient satisfaction** scores affecting reimbursements and billing
- **Higher staff turnover** due to workplace stress



# Indoor mapping in hospitals:

## The complete solution

Indoor mapping in hospitals represents a comprehensive approach to healthcare facility navigation that goes far beyond traditional hospital maps. This technology provides intelligent, interactive maps that adapt to real-time conditions and visitor or staff needs.

### Core healthcare mapping technology

- **3D interactive hospital maps** with detailed floor plans and department layouts
- **Multi-building healthcare mapping** that seamlessly connects indoor and outdoor navigation across campus
- **Real-time patient navigation** with turn-by-turn directions throughout the hospital and between buildings
- **Multi-platform patient maps** accessible using web, mobile, fixed displays, and digital kiosk interfaces
- **Cloud-based healthcare mapping management** for instant updates deployed across all hospital locations and buildings
- **Integration** with existing hospital information systems

### Why indoor mapping in hospitals is transformative

Unlike static hospital maps, digital healthcare mapping solutions provide dynamic, personalized navigation experiences that extend beyond individual buildings. Patient maps can be customized based on individual needs, appointment schedules, and accessibility requirements, creating a truly patient-centered navigation experience.

### Multi-Building healthcare campus integration

Modern hospitals often consist of multiple buildings, parking structures, and outdoor pathways. Advanced healthcare mapping solutions seamlessly connect indoor navigation with outdoor routing, providing patients with comprehensive directions and reducing confusion from parking areas through building entrances to their destinations.

### Cost-effective solutions

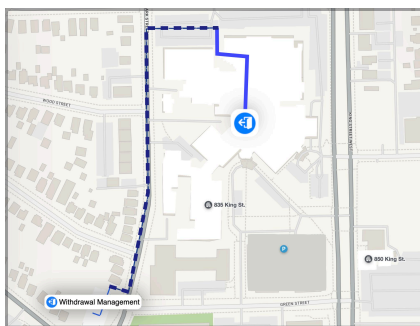
Healthcare mapping platforms support flexible deployment options, including fixed display installations as an alternative to expensive traditional kiosks. This approach allows hospitals to provide interactive patient maps at multiple locations throughout their facilities at a fraction of the cost of custom kiosk hardware.

### Healthcare-optimized features

- **Accessible routing** for wheelchair and mobility device users and visitors
- **Multi-language support** for diverse patient populations
- **Department-specific information** including hours, services, and contacts
- **Real-time map updates** for temporary closures, emergencies or relocations
- **Emergency protocols** integration for rapid response

# Healthcare mapping for patient experience

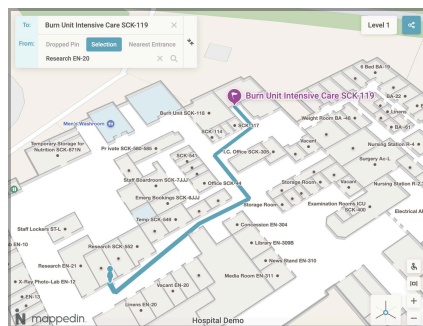
Patient experience maps powered by advanced healthcare mapping technology are revolutionizing how individuals navigate hospital environments. These intelligent systems go beyond basic hospital maps to provide personalized, accessible navigation solutions that reduce stress and improve the overall patient experience across entire healthcare campuses.



## Seamless multi-building navigation

### Integrated indoor-outdoor wayfinding

Healthcare mapping solutions that connect indoor and outdoor navigation provide patients with complete journey guidance. Instead of requiring separate systems for parking navigation and hospital maps, patients receive unified directions that account for accessibility pathways and optimal building entrances based on their starting location and final destination.



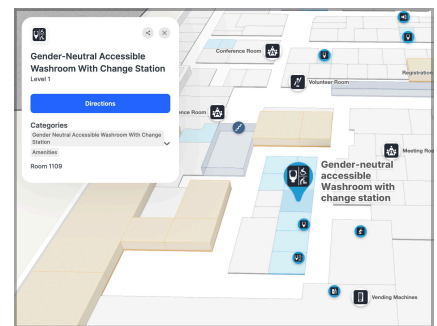
## Reducing anxiety through modern hospital maps

### Clear visual guidance

Modern patient maps eliminate guesswork by providing detailed, visual directions that help patients feel confident navigating complex hospital layouts. Unlike traditional hospital maps, digital healthcare mapping can show real-time positioning and turn-by-turn walking directions.

### Predictable journey planning

Patient maps calculate accurate walking times between locations, allowing patients to plan appropriately and arrive at their destination on time rather than stressing about finding their destination.



## Accessibility in healthcare mapping

### Inclusive design for all patients

Healthcare mapping platforms automatically provide accessible wayfinding routes that consider elevator locations and ramp access suitable for wheelchairs and mobility device users, ensuring patients are served equally.

### Multilingual patient maps

Comprehensive healthcare mapping solutions provide multi-language support, ensuring maps are accessible to diverse patient populations regardless of language barriers.

# Healthcare mapping for venue management

Hospital and healthcare facility mapping solutions provide hospital administrators and facility managers with powerful tools that extend far beyond patient navigation. These comprehensive systems offer data-driven insights and operational efficiencies that transform how hospitals manage their physical spaces.



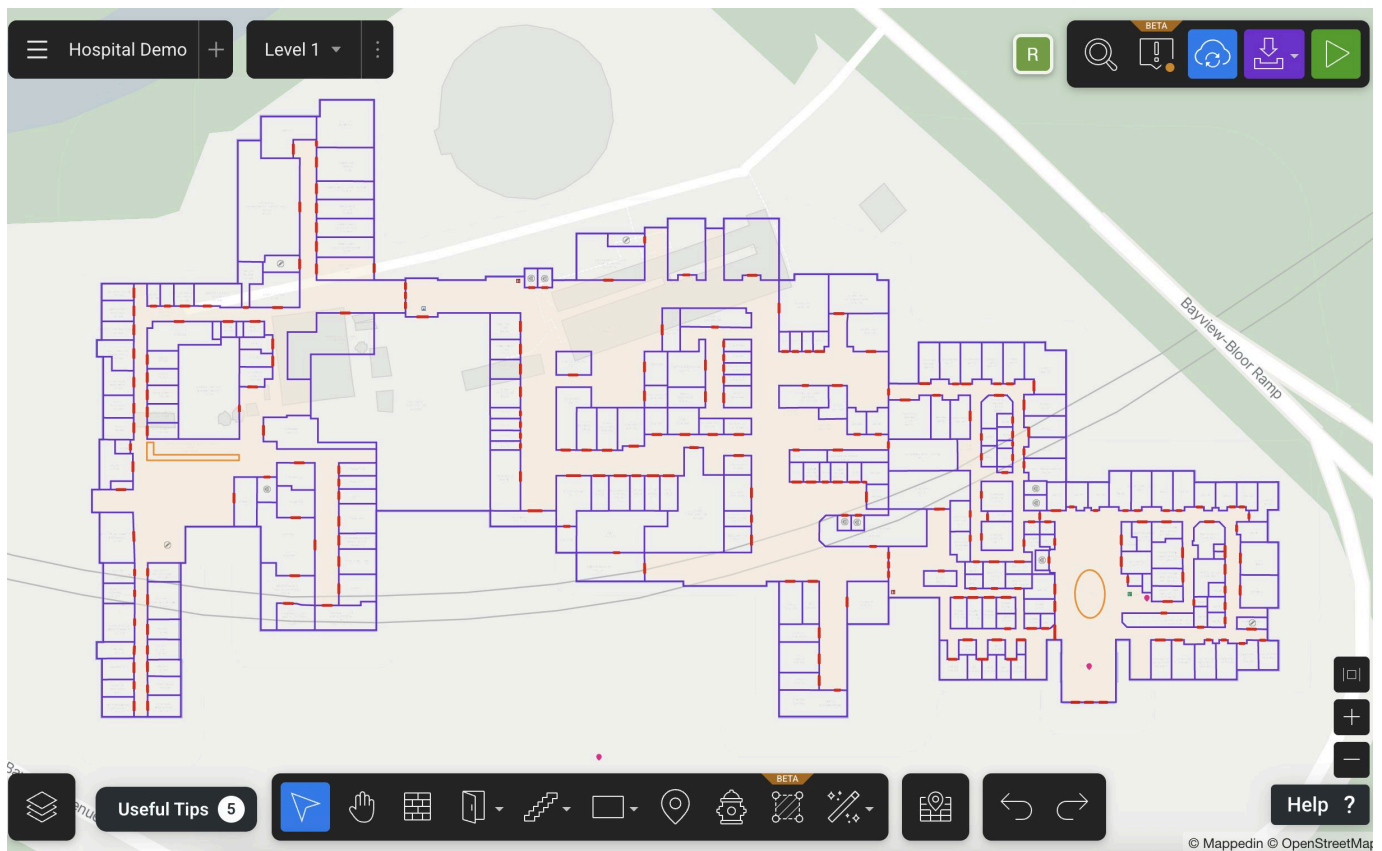
## Operational efficiency through healthcare mapping

### Enhanced staff productivity

Easily discoverable hospital maps reduce the time hospital staff spend providing directions. This allows more resources to be focused on patient care rather than navigation assistance and one-on-one guidance.

### Optimized hospital space management

Real-time data visualized on hospital maps helps hospital administrators understand space utilization patterns, identify underutilized areas, and make informed decisions about facility optimization and resource allocation.



## Dynamic hospital space management

### Multi-building healthcare campus management

Healthcare mapping platforms provide comprehensive management tools for complex hospital campuses with multiple buildings, allowing administrators to manage patient maps, routing, and information across entire healthcare systems from a single platform.

### Real-time hospital map updates across all buildings

Healthcare mapping allows facility managers to instantly update maps across all buildings and campus locations to reflect temporary closures, construction zones, or departmental relocations without requiring technical or developer support.

### Campus-wide emergency and event management

During emergencies or special events, healthcare mapping systems can quickly implement alternative routing or highlight critical information across all hospital buildings and outdoor areas, ensuring comprehensive communication through maps. Maps also aid in emergency pre-planning to ensure safety equipment, emergency exits, and stairwells are clearly marked.





## Data-driven hospital insights

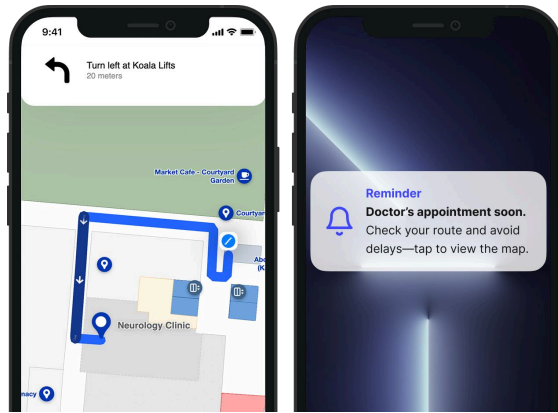
### Traffic pattern analysis in healthcare facilities

Understanding how people move through hospitals help identify bottlenecks and opportunities to improve flow, operational efficiency, and provide analytics to make decisions that directly impact patient satisfaction

### Popular destination tracking

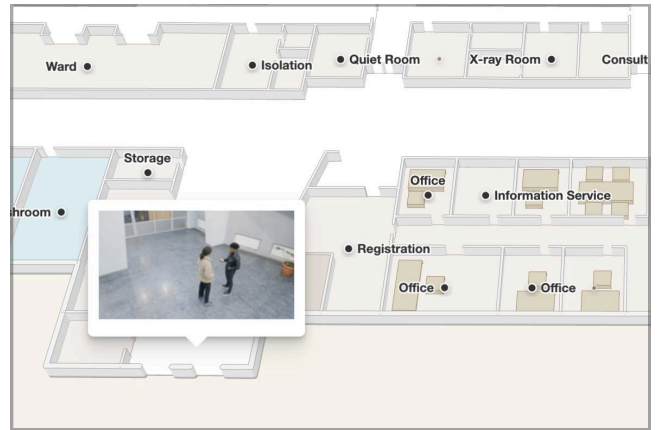
Healthcare mapping analytics identify the most frequently visited and searched hospital locations enabling optimized staffing levels, resource allocation, and strategic planning for future facility improvements.

# Integration Capabilities



## EMR system integration

Connect with electronic medical record systems to provide personalized navigation based on appointment information and patient needs.



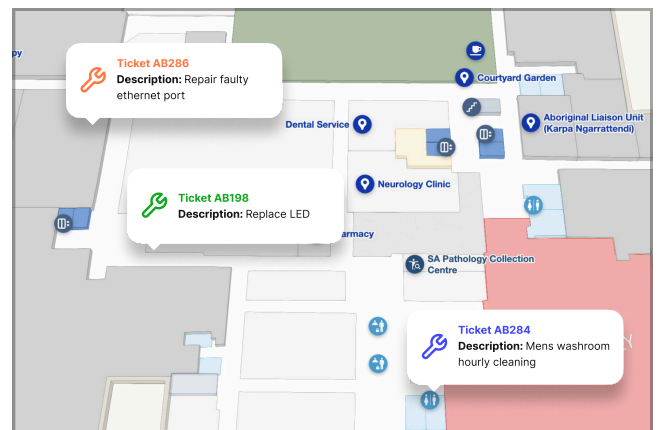
## Building management systems

Integrate with HVAC, lighting, and security systems for comprehensive facility management, monitoring, and energy optimization.



## Asset tracking in healthcare

Link with real-time indoor positioning systems to track high-value equipment (e.g., wheelchairs, ventilators, IV pumps) and ensure critical assets are available where and when they're needed. Reduce equipment loss, increase utilization, and save time for clinical staff.



## Wayfinding and workflows

Support smoother staff workflows by connecting mapping with facility management or task management tools—helping maintenance, cleaning, or portering teams respond faster to location-based needs



# Get started with Mappedin

Mappedin's platform and solutions facilitates the rapid, low-cost deployment of comprehensive indoor patient maps and healthcare mapping solutions in hospitals. Hospital administrators can implement sophisticated indoor-outdoor navigation without extensive technical expertise or lengthy development timelines.

## How hospital maps transform patient experience and operations:



### Welcome without the wait

- With intuitive **mobile and directory wayfinding**, visitors navigate on their own, giving your team more time for what matters
- Answer questions in seconds with a clear, **interactive map** that makes navigation simple and effective for everyone
- **Guide visitors from parking lots and entrances** right to their destination inside any building—no matter how complex your campus



### Destination for all

- **Accessible navigation** is automatically generated, prioritizing elevators, ramps, and step-free pathways
- All digital maps and directories are designed for **WCAG 2.1 conformance**, supporting screen readers and keyboard navigation
- **High/low mode on kiosks** accommodates visitors at different heights, including those in wheelchairs or with limited reach



### Keep your maps current

- **Connect** with EMR, asset tracking, and facility management systems for a unified operational view of the entire venue
- **Instantly reflect changes** such as temporary closures, department relocations, or emergency routes across all platforms
- Easily add new venues and update across all **synced venues** simultaneously



### Power up your operations

- **Integrate live data** from sensors, IoT devices, and facility management systems
- Make informed decisions about staffing, resource allocation, and facility improvements based on **reliable, visualized data**
- Use real-time and historical data to identify high-traffic areas and adjust layouts or signage to **improve flow and reduce congestion**

# Bring **Mappedin** into your healthcare system



**Mappedin's indoor mapping platform** makes it easy to build and integrate interactive indoor maps into your apps, kiosks, and digital signage with tools your developers will love.



**Create and update** hospital maps in days with an easy-to-use map editor, no prior mapping experience needed



**Scale with AI mapping** and expand easily to more buildings or features without major system changes or delays



**Build with our SDKs** to cut down on development time and create a fully customized indoor wayfinding experience



**Analyze bottlenecks** by layering real-time data on your map to reveal traffic patterns, asset movement, and inefficiencies across your facility

## Ready to transform your hospital's navigation experience with advanced maps?

Contact Mappedin mapping specialists today to begin your journey toward improved patient satisfaction and operational efficiency through innovative indoor mapping technology designed specifically for hospitals.

[Contact sales](#)



## Mappedin

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